

POLYMER-GRAFTED STRETCHABLE COTTON

ABSTRACT

5 A solution for forming a graft substrate containing a graft initiator, a catalyst
for activating the graft initiator, a polymerizable silicon softener, and at least one additional
prepolymer, each of the softener and the prepolymer which includes a functional group for
reaction with an activated site on the substrate for grafting thereto and water. The treated
fiber exhibits excellent crockfastness, color fastness, and abrasion resistance, strength, and
10 has a soft hand.

15

20

25

30

35